

CLAIMS

1. An optical fiber cord which is a single core optical fiber cord having an outer diameter of 1.2 mm or less, and has a structure in which an optical fiber core wire having a resin coating is provided at the center, a  
5 tensile-strength-fiber layer is provided around the outer periphery of the optical fiber core wire, and a coating layer is further provided around the outer periphery of the tensile-strength-fiber layer, wherein the coating  
10 layer is composed of a non-halogen fire-retardant resin.

2. The optical fiber cord as claimed in claim 1, wherein the coating layer is formed by a composition in which 18-60 parts by mass of ammonium polyphosphate is blended with 100 parts by mass of a resin component  
15 containing at least one selected from the group consisting of polyamide-series thermoplastic resins, polyamide elastomer-series thermoplastic resins and polyester elastomer-series thermoplastic resins.

3. The optical fiber cord as claimed in claim 2, wherein the ammonium polyphosphate is one that has been surface-treated.  
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4. The optical fiber cord as claimed in claim 1, wherein the coating layer is formed by a composition in which 18-60 parts by mass of a fire retardant, which

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consists of ammonium polyphosphate and a nitrogen-  
containing compound, is blended with 100 parts by mass of  
a resin component containing at least one selected from  
the group consisting of polyamide-series thermoplastic  
5 resins, polyamide elastomer-series thermoplastic resins  
and polyester elastomer-series thermoplastic resins.

5. The optical fiber cord as claimed in claim 4,  
wherein the ratio of said ammonium polyphosphate to the  
total amount of said ammonium polyphosphate and said  
10 nitrogen-containing compound is 50 mass % or more.

6. The optical fiber cord as claimed in claim 5,  
wherein said ammonium polyphosphate is one that has been  
surface-treated.

7. The optical fiber cord as claimed in claim 4,  
15 wherein the nitrogen-containing compound is at least one  
selected from the group consisting of melamine cyanurate,  
polyphosphoric acid amide, tris-(2-hydroxyethyl)isocyanate  
and melamine.

8. The optical fiber cord as claimed in claim 1,  
20 wherein the bending modulus of the resin component of the  
coating layer is 500 to 1,300 MPa.

